



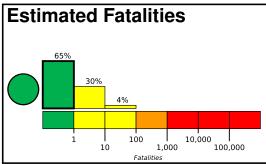


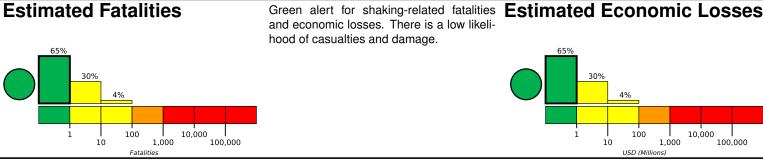
PAGER Version 3

Created: 2 hours, 4 minutes after earthquake

M 4.1, 35 km NW of Toyah, Texas

Origin Time: 2021-12-16 12:25:24 UTC (Thu 06:25:24 local) Location: 31.5535° N 104.0252° W Depth: 5.0 km





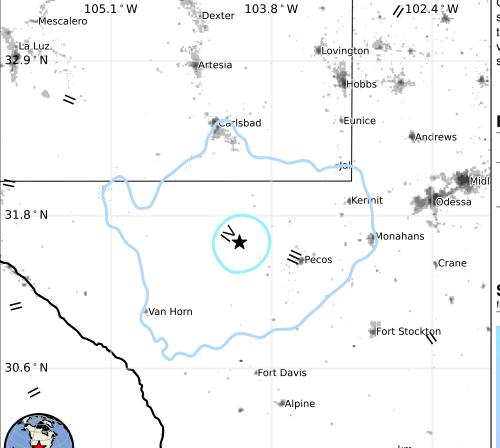
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	714k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1978-06-16	347	5.3	IV(18k)	_
1992-01-02	123	5.0	V(4k)	_
1995-04-14	155	5.7	V(7k)	0

Selected City Exposure

ı	from GeoNames.org				
	MMI	City	Population		
	Ш	Mentone	0		
	Ш	Pecos	9k		
	Ш	Loving	1k		
	Ш	Kermit	6k		
	Ш	Van Horn	2k		
	Ш	Carlsbad	26k		
	II	West Odessa	23k		
	II	Odessa	100k		
	II	Hobbs	34k		
	II	Midland	111k		
l	II	Alamogordo	30k		

bold cities appear on map.

(k = x1000)